

ABSORBENT COMPOSITES COMPRISING
SUPERABSORBENT MATERIALS

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ABSTRACT OF THE INVENTION

10 The present invention is directed to absorbent
composites having enhanced intake properties. The absorbent
composites have a Composite Permeability (CP) value at full
swelling of greater than about $100 \times 10^{-8} \text{ cm}^2$. Further, the
absorbent composites have a Composite Permeability/ 3^{rd} Insult
Fluid Intake Flowback Evaluation (FIFE) intake relationship,
which results in enhanced intake properties. The present invention
also provides a method of making absorbent composites having
15 enhanced intake properties. The present invention further provides
absorbent composites and their applicability in disposable personal
care products. The present invention utilizes superabsorbent
materials having a Gel Bed Permeability (GBP) value of greater
than about $70 \times 10^{-9} \text{ cm}^2$ and an Absorbency Under Load (AUL)
20 value at 0.6 psi of less than about 25 g/g.

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